

Abstract

Method and Device for Damping Vibrations

The invention relates to a method for damping vibrations on chassis bearings of motor vehicles, and a device for implementing the process. A process and a device are to be presented with which outstanding vibration damping and vibration isolation and noise insulation can be achieved over a wide frequency range with consideration of the driving states and roadway conditions which occur in motor vehicles. For this purpose it is proposed that the driving state of the motor vehicle and/or the roadway conditions are detected by way of sensors and that the at least one chassis bearing is modified to different characteristics to change its stiffness and/or damping depending on the detected parameters. The device is formed with sensors for detecting the driving state of the motor vehicle and for roadway conditions, with an electronic control device for processing the acquired signals and for selection of various controllable characteristics and at least one chassis bearing, the stiffness and/or damping of which can be modified.

FIG. 1